

[AUTOMATIC CONTROL METHOD FOR GENERATING STABLE LASER POWER OF AN OPTICAL DISK DRIVE]

Abstract of Disclosure

An optical disk drive has a pick-up head for emitting laser beams, and an analog front-end circuit controlled by a microprocessor for controlling the operation of the pick-up head. An automatic control method for generating stable laser power of the optical disk drive includes getting a power reference function measured by a fixed quantity of optical disk sample drives, establishing the relationship between the laser power control signal of pick-up head from the analog front-end circuit by the microprocessor, and calculating the difference amount from a feedback signal minus a reference voltage on pick-up head side to generate a first function. When the analog front-end circuit receives this feedback signal, this method will be enabled automatically and adjust the first function of the laser power control signal to approach the reference function so as to adjust the intensity of the laser power generated by the pick-up head.

Figures

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